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Jewell Northern Planters' Guide



56th
YEAR



The Jewell Nursery Company

ESTABLISHED 1868

LAKE CITY, MINNESOTA

WHAT VARIETIES SHALL I PLANT?

IN THE 56 years of our horticultural experience and service we have answered this question thousands of times every year.

Only successful varieties can be sold by the nurseryman. He, therefore, must grow those varieties which have **PROVED** successful. In other words, his business is to supply an existing demand.

There are varieties listed in many catalogs which are little known and of small comparative worth in most locations.

Ninety percent of the nursery stock planted in the North is limited to a comparatively few standard varieties. These are the varieties we recommend when our customers ask us for suggestions. The reason is obviously because they are the varieties which are in biggest demand, and that fact alone signals them as the most desirable for general use.

The usual nursery catalog is not a safe horticultural guide for practical tree planting. It is a cross between a school botany and a popular novel, a mixture of Latin names, scientific terms, imagination and romance.

The average nursery catalog, when it is well illustrated and the text well written, is like the romantic seed catalog, a happy fireside companion in the long winter months, bringing pictures of Spring and the good old Summer Time. To accomplish this the usual catalog must devote nine tenths of its space to the long list of varieties which cover only one tenth of the trees actually in demand, grown, sold and planted; and consequently only one tenth of its pages display the few varieties representing ninety percent of those planted.

This **JEWELL PLANTERS' GUIDE** is designed to furnish the buyer with a list of only the best of the recognized varieties for northern culture, and descriptions made brief and simple.

Instructions for planting and culture are omitted from these pages by design, but are furnished to anyone free of charge for the asking. (See table of Special Cultural Bulletins.)

THE JEWELL NURSERY COMPANY

Founded 1868

Lake City, Minn.



ORNAMENTAL EVERGREENS

APPLES FOR THE NORTH

A SELECTED LIST OF THE BEST VARIETIES FOR ALL PURPOSES

Prices, Transportation Paid — Insured to Grow

	1	12	100
5-6 ft.	\$1.75	\$17.50	\$122.50
4-5 ft.	1.00	10.00	70.00
3-4 ft.	.75	7.50	52.00

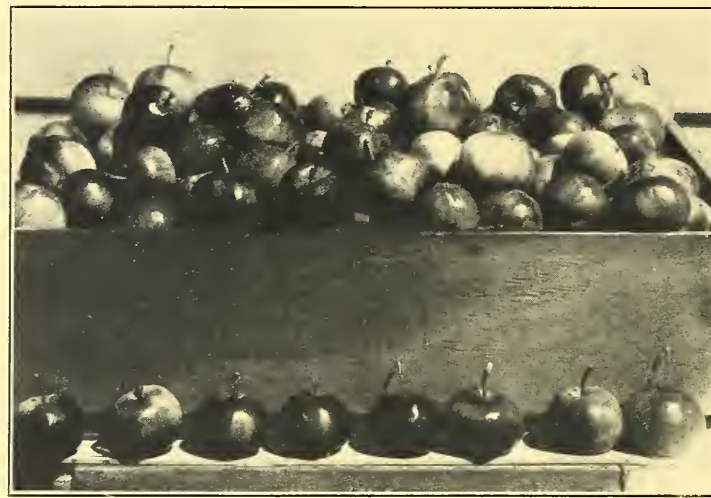
Group A. — Hardest Varieties

FOR EXTREME NORTH AND ALL HIGH, EXPOSED LOCATIONS

Name	Color	Size	Season	Remarks
Anisim.	Red	Medium	Early Winter	Juicy Eating, Very hardy.
Duchess	Red-striped	Medium to large	Autumn	Unexcelled for canning; very hardy.
Hibernal	Green-blushed	Medium to large	Early Winter	Standard of hardiness.
Northwestern Greening	Green-Yellow	Large	Late Winter	One of the best bakers.
Okabena	Red-striped	Medium	Autumn	Duchess type, a little later; very hardy.
Jewell's Winter	Red	Medium to large	Mid-Winter	Dependable winter apple.
Tetofsky	Red-striped	Medium	Summer	Eating Dessert apple.
Wealthy	Red	Medium to large	Early Winter	Standard for high quality.
Yellow Transparent	Yellow	Medium	Summer	Eating; Dessert apple.



IN A MINNESOTA APPLE ORCHARD



HARDY CRAB APPLES

Group B. — Varieties for General Culture when the Extreme of Hardiness is not demanded

PRICES, TRANSPORTATION PAID — INSURED TO GROW, SEE ABOVE

Name	Color	Size	Season	Remarks
Fameuse (Snow)	Yellow-striped	Medium	Mid-Winter	Juicy; perfumed; Dessert apple.
Gano	Red	Large	Late Winter	Firm; Commercial apple.
Grimes Golden	Yellow-russeted	Medium	Late Winter	Spicy-Crisp.
Jonathan	Red	Medium	Late Winter	Excellent quality.
Longfield	Yellow-blushed	Medium	Early Winter	Eating; juicy.
Lowland Raspberry	Red-striped	Medium	Summer	High quality; Beautiful apple.
Malinda	Yellow-blushed	Medium	Late Winter	Firm; good quality; Prime baker.
McIntosh	Red	Medium to large	Mid-Winter	Valuable table apple.
Pewaukee	Green-striped	Large	Mid-Winter	Firm; Cooker.
Delicious	Red-striped	Large	Late Winter	Excellent dessert.
Salome	Green-striped	Medium to large	Late Winter	Good keeper; Fine quality.
Scott's Winter	Yellow	Medium	Mid-Winter	Baker.
Tolman's Sweet	Yellow-blushed	Medium to large	Mid-Winter	Considered best sweet apple.
Winesap	Bright Red	Medium to large	Late Winter	An old favorite.
Wolf River	Red-striped	Very large	Mid-Winter	Show apple; coarse grained.

Group C. — Crab Apples

PLANT CRAB APPLES FOR BOTH UTILITY AND ORNAMENT. FOR JELLIES, PICKLES, SAUCES AND ALL CULINARY PURPOSES.

PRICES, TRANSPORTATION PAID INSURED TO GROW, SEE PAGE 2

Name	Color	Size	Season	Remarks
Early Strawberry.....	Red-striped.....	Medium.....	Late Summer.....	The children's favorite.
Florence.....	Carmine.....	Medium.....	Early Autumn.....	Jelly Crab; Ornamental.
Hyslop.....	Crimson.....	Medium.....	Autumn.....	Preserving; Ornamental.
Lyman's Prolific.....	Red-striped.....	Large.....	Autumn.....	Jelly Crab.
Minnesota.....	Yellow-blushed.....	Large.....	Early Winter.....	Delicate flavor; Pickling; Sauces.
Pickett's Prolific.....	Green-blushed.....	Large.....	Autumn.....	Jelly Crab.
Siberian.....	Red and Yellow.....	Small.....	Autumn.....	Grafting stock; Ornamental.
Transcendent.....	Yellow-blushed.....	Medium.....	Early Autumn.....	Jelly Crab for Extreme North.
Virginia.....	Red.....	Medium.....	Early Autumn.....	Grafting Stock.
Whitney.....	Yellow-striped.....	Large.....	Late Summer.....	Home use; Delicious canner and pickler.

THE BEST PLUMS

FOLLOWING IS A TABLE OF THE BEST PLUMS FOR THE STATES BETWEEN THE GREAT LAKES AND THE ROCKY MOUNTAINS, AND FROM MISSOURI NORTHWARD

Prices, Transportation Paid — Insured to Grow

	1	12	100
5-6 ft.....	\$1.75	\$17.50	\$122.50
4-5 ft.....	1.50	15.00	105.00
3-4 ft.....	1.25	12.50	87.50

Group A — Standard Americana Varieties

ALL OF THE FIRST DEGREE OF HARDINESS

Name	Color	Size	Quality	Remarks
Aitkin.....	Yellow-Red.....	Medium.....	Meaty; Rich.....	Most valuable in extreme North.
Cheney.....	Dull red.....	Medium.....	Juicy; Good.....	Most valuable in extreme North.
DeSoto.....	Orange and red.....	Medium.....	Mellow.....	Heavy bearer; Plum butter.
Forest Garden.....	Dull red.....	Medium.....	Sweet.....	Old favorite.
Hawkeye.....	Red.....	Medium.....	Meaty.....	Firm skin
Jewell.....	Purplush-red.....	Medium to large.....	Rich; Meaty.....	The best of the Americanas.
Surprise.....	Bright red.....	Medium to large.....	Juicy; Fragrant.....	Shy bearer in some locations.
Wolf.....	Crimson and orange.....	Medium.....	Meaty; Free-stone.....	Heavy bearer.
Weaver.....	Orange and red.....	Medium to large.....	Rich; Free-stone.....	Late; Splendid canner.

Group B — The New Hybrid Plums

ALL ARE GRAFTED OR BUDDED ON HARDY AMERICANA ROOTS

These wonderful new plums are fast becoming standards in all parts of the North. The earlier hybrids were produced at the South Dakota Experiment Station, and the later at the Minnesota Fruit Breeding Farm. Following are the three varieties now regarded as the most valuable for all purpose planting:

Underwood

Minn. F. B. Farm

PRICES, TRANSPORTATION PAID — INSURED TO GROW

	1	12
5-6 ft.....	\$2.50	\$25.00
4-5 ft.....	2.00	20.00
3-4 ft.....	1.75	17.50

Named in honor of J. M. Underwood; cross between Shiro, a large oriental plum, and Wyant, a native. Combines large size and hardiness; very productive; fruit bright red; very attractive; juicy and of excellent quality. Ripens early; hangs to tree well.

Loring

The Minnesota Horticultural Society Prize Plum
Burbank × DeSoto × Weaver

PRICES, TRANSPORTATION PAID — INSURED TO GROW

	1	12
5-6 ft.....	\$2.00	\$20.00
4-5 ft.....	1.75	17.50
3-4 ft.....	1.50	15.00

Of delicious quality with small pit; nearly freestone. Should be planted by all plum growers.

Waneta

So. Dakota Exp. Sta.

PRICES, TRANSPORTATION PAID — INSURED TO GROW

	1	12
5-6 ft.....	\$2.00	\$20.00
4-5 ft.....	1.75	17.50
3-4 ft.....	1.50	15.00

Cross between Apple, a Japanese Plum, and Terry, one of the best natives. Deep red, delicious quality, hardy, prolific. Professor Hansen considers it one of the best of his hybrids.



A FRUITING JEWELL PLUM

Group C--Other Valuable Hybrid Plums

PRICES ON APPLICATION

- TONKA, Minn. F. B. Farm.
RED WING, Minn. F. B. Farm.
MONITOR, Minn. F. B. Farm.
ELLIOT, Minn. F. B. Farm.
WINONA, Minn. F. B. Farm.
HANSKA, So. Dak. Exp. Sta.
KAHINTA, So. Dak. Exp. Sta.
TOKATA, So. Dak. Exp. Sta.

Cherries

PRICES, TRANSPORTATION PAID
INSURED TO GROW

	1	12
5-6 ft.....	\$2.50	\$25.00
4-5 ft.....	2.00	20.00
3-4 ft.....	1.50	15.00

- | | |
|---------------------------|-------------|
| Varieties: Early Richmond | Montmorency |
| English Morello | Tartarian |
| Ostheim | Wragg |



ZUMBRA CHERRIES

CHERRY-PLUM HYBRIDS

The production of the famous Compass Cherry-Plum about twenty-five years ago paved the way to many valuable new crosses, combining the best qualities of the Rocky Mountain Cherry and the most desirable Americana plums.

Of these the ZUMBRA is the latest introduction. ZUMBRA is a cross between the native pin cherry and a western sweet cherry, and plum pollination.

Zumbra

Minn. F. B. Farm

PRICES, TRANSPORTATION PAID — INSURED TO GROW

5-6 ft. trees.....	\$2.50 each
4-5 ft. trees.....	2.00 each
3-4 ft. trees.....	1.50 each

Zumbra is thus far regarded as the most desirable Cherry-Plum hubrid produced at the Minnesota Fruit Breeding Farm.

Compass, Sapa, and Opata

PRICES, TRANSPORTATION PAID — INSURED TO GROW

	1	12	100
COMPASS } 5-6 ft.....	\$1.75	\$17.50	\$122.50
SAPA } 4-5 ft.....	1.50	15.00	105.00
OPATA } 3-4 ft.....	1.25	12.50	87.50

SAPA and OPATA are the two great Cherry-Plums originated by Professor N. E. Hansen at the So. Dak. Exp. Sta. Sapa has purple flesh and juice; Opata greenish; both of excellent quality for eating out of hand and for cooking. Sapa is especially valuable for sauces on account of its beautiful color. COMPASS still remains the standard of hardiness.

Peaches

PRICES, TRANSPORTATION PAID — INSURED TO GROW

	1	12
5-6 ft.....	\$1.50	\$15.00
4-5 ft.....	1.25	12.50

- | | |
|-----------------------------|------------|
| Varieties: Crawford's Early | Elberta |
| Crosby | Fitzgerald |

Pears

PRICES, TRANSPORTATION PAID — INSURED TO GROW

	1	12
5-6 ft.....	\$2.50	\$25.00
4-5 ft.....	2.00	20.00

- | | |
|---------------------|---------|
| Varieties: Bartlett | Kieffer |
| Flemish Beauty | Seckle |

Apricots

PRICES, TRANSPORTATION PAID — INSURED TO GROW

	1	12
4-5 ft.	\$2.00	\$20.00
Varieties: Budd	Gibb	Alexis

Quince

PRICES, TRANSPORTATION PAID — INSURED TO GROW

	1	12
4-5 ft.	\$2.00	\$20.00
Varieties: Champion	Mammoth	

GRAPES

SEND FOR FREE GRAPE PRUNING BULLETIN

Prices, Transportation Paid — Insured to Grow

Group A — The Hardy Varieties

THESE VARIETIES DO NOT REQUIRE WINTER PROTECTION

Price for strong 2 year vines

1	\$1.00	12	\$10.00	100	\$70.00
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ALPHA—Originated by Father Katzner at Collegeville, Minnesota. Purple, medium, strong grower, very prolific.

BETA—Purple, medium, very hardy.

HUNGARIAN—Purple, medium, similar to Alpha.

JANESVILLE—Purple, medium, old favorite.

Group B

Price for strong 2 year vines

1	\$.80	12	\$8.00	100	\$56.00
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Varieties:	Agawam (red)	Martha (White)
	Brighton (red)	Moore's Early (purple)
	Concord (purple)	Niagara (white)
	Campbell's Early (purple)	Worden (purple)
	Delaware (red)	Wilder (purple)
	Pocklington (yellow)	



ALPHA GRAPES

BERRIES

Prices, Transportation Paid — Insured to Grow



LATHAM RASPBERRIES

Raspberries

This popular garden fruit is growing in favor by bounds. Both as a table fruit and for canning its delightful flavor puts it in a class all its own. In the North the Red Raspberry is now found in hardy varieties which require no winter protection. Chief of these is the great LATHAM, a hybrid variety produced by the Minn. Fruit Breeding Farm.

LATHAM—Price \$3.00 per dozen. \$21.00 per 100

A very large, beautiful berry; strong canes; heavy annual bearer. Requires no winter covering; ideal home and market berry. Now the most planted in the North of any red raspberry.

REDPATH—Price.....\$4.00 per dozen. \$28.00 per 100

Said to be of same parentage as Latham. Fruit almost identical, but stronger in cane production.

STANDARD RED RASPBERRIES—Price \$2.50 per doz. \$17.50 per 100.
Cuthbert King Marlboro St. Regis
Sunbeam (the hardiest raspberry).

STANDARD BLACK AND PURPLE RASPBERRIES
Require winter covering
Prices.....\$3.00 per doz. \$21.00 per 100
Varieties: Cumberland Gregg Nemaha
 Ohio Older Columbian (best purple)



CARRIE GOOSEBERRIES

Gooseberries

PRICES, TRANSPORTATION PAID — INSURED TO GROW

The Gooseberry lacks only the red color to make it a complete rival of the marsh cranberry. Gooseberry jams and sauces are indispensable to the winter diet, difficult to buy on market; easy to grow in your garden.
PRICES are for strong two year old plants.

	Per plant	Per doz.	Per 100
CARRIE.....	\$.75	\$7.50	\$52.50

Originated in Minnesota. A very hardy Gooseberry and very prolific. Practically thornless; fruit medium size, borne evenly, valuable for home garden.

STANDARD VARIETIES

	Per plant	Per doz.	Per 100
DOWNING.....	\$.50	\$5.00	\$35.00
JOSSELYN			
PEARL			
HOUGHTON			

Blackberries

PRICES, TRANSPORTATION PAID — INSURED TO GROW
Prices.....\$2.50 per doz. \$17.50 per 100
Varieties: Ancient Briton Eldorado
 Snyder Stones Hardy

Dewberries

PRICES, TRANSPORTATION PAID — INSURED TO GROW
Prices.....\$3.00 per doz. \$21.00 per 100
Lucretia (best variety for North).



PERFECTION CURRANTS

Currants

PRICES, TRANSPORTATION PAID — INSURED TO GROW

Nothing takes the place of the Currant for jellies and sauces. Given fair culture and fertility a comparatively small number of plants will supply well the ordinary family.

	Per plant	Per doz.	Per 100
PERFECTION.....	\$.75	\$7.50	\$52.50

This is the red currant with the largest berry, mild in flavor and prized by those who like fresh currants. Plant requires plenty of cultivation and fertilizer.

STANDARD VARIETIES

	Per plant	Per doz.	Per 100
Cherry—red.....	\$.50	\$5.00	\$35.00
London Market—red			
Red Cross—red			
Red Dutch—red			
White Grape—white			
Black Champion—black			



Strawberries

PRICES, TRANSPORTATION PAID — INSURED TO GROW

JUNE BEARING VARIETIES

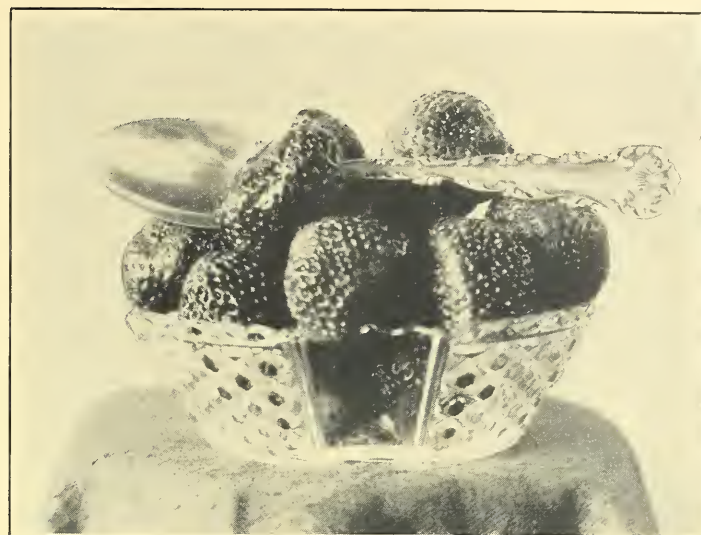
SENATOR DUNLAP.....	\$2.50 per 100	\$20.00 per 1000
Warfield.....	2.50 per 100	20.00 per 1000
Easypicker.....	4.50 per 100	36.00 per 1000

(Easypicker is the new variety introduced by the Minnesota Fruit Breeding Farm).

FALL OR EVER BEARING

PROGRESSIVE.....	\$4.50 per 100	\$36.00 per 1000
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(Progressive is now rated the best all around berry of this class.)



STRAWBERRIES

GARDEN ROOTS

Prices, Transportation Paid — Insured to Grow

ASPARAGUS—Columbian.....	\$1.00 per doz.	\$ 7.00 per 100
RHUBARB—Sweet Wine.....	3.50 per doz.	24.50 per 100
HORSE RADISH—Gopher.....	3.00 per doz.	21.00 per 100



FORESTRY AND WINDBREAK STOCK

Prices, Transportation Paid — Insured to Grow

ALL STRONG GRADED STOCK. WE GROW AND DELIVER MILLIONS OF THESE TREES ANNUALLY TO ALL PARTS OF THE NORTH-CENTRAL STATES.

Group A — Deciduous Trees

	12-18 inch		18-24 inch		2-3 ft.		3-4 ft.	
	100	1000	100	1000	100	1000	100	1000
Ash, Am. Green.....	\$ 2.50	\$ 20.00	\$ 3.50	\$ 28.00	\$ 6.00	\$ 48.00	\$ 8.00	\$ 64.00
Box Elder.....	2.50	20.00	3.50	28.00	6.00	48.00	8.00	64.00
Caragana.....	10.00	80.00	12.50	100.00	15.00	120.00	20.00	160.00
Cottonwood.....	2.50	20.00	3.50	28.00	6.00	48.00	8.00	64.00
Catalpa.....	3.00	24.00	5.00	40.00	8.00	64.00	10.00	80.00
Butternut.....	10.00	80.00	15.00	120.00	20.00	160.00	30.00	240.00
Locust, Black.....	3.00	24.00	5.00	40.00	8.00	64.00	10.00	80.00
Mulberry, Russian.....	3.00	24.00	5.00	40.00	8.00	64.00	10.00	80.00
Elm, American.....	3.00	24.00	5.00	40.00	8.00	64.00	10.00	80.00
Maple Soft.....	3.00	24.00	5.00	40.00	8.00	64.00	10.00	80.00
Walnut, Black.....	10.00	80.00	15.00	120.00	20.00	160.00	30.00	240.00
Maple, Hard.....	10.00	80.00	15.00	120.00	20.00	160.00	30.00	240.00
Olive, Russian.....	12.50	100.00	17.50	140.00	25.00	200.00	35.00	280.00
Balm of Gilead.....	.....	.....	5.00	40.00	7.00	56.00	10.00	80.00
Poplar, Norway.....	.....	.....	5.00	40.00	7.00	56.00	10.00	80.00
Poplar, Canadian.....	.....	.....	5.00	40.00	7.00	56.00	10.00	80.00
Poplar, Petrowsky.....	.....	.....	5.00	40.00	7.00	56.00	10.00	80.00
Poplar, Silver.....	.....	.....	8.00	64.00	10.00	80.00	12.00	96.00
Poplar, Mule (Dakota).....	.....	.....	8.00	64.00	10.00	80.00	12.00	96.00
Willow, Golden.....	.....	.....	5.00	40.00	7.00	56.00	10.00	80.00
Willow, Laurel.....	.....	.....	5.00	40.00	7.00	56.00	10.00	80.00
Willow, White.....	.....	.....	5.00	40.00	7.00	56.00	10.00	80.00
Willow, Niobe.....	.....	.....	8.00	64.00	10.00	80.00	12.00	96.00

Group B — Evergreen Trees

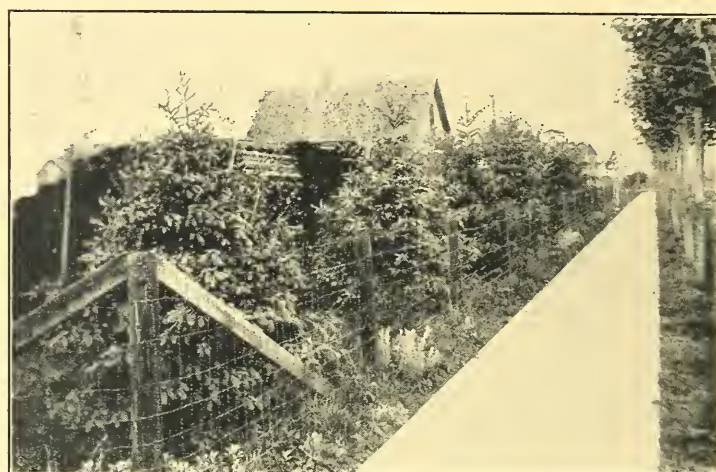
PRICES, TRANSPORTATION PAID — INSURED TO GROW

ALL TRANSPLANTED, FIELD GROWN STOCK

	12-18 inch		18-24 inch		2-3 ft.		3-4 ft.	
	12	100	12	100	12	100	12	100
ARBOR VITAE, AMERICAN—Best evergreen for sheared hedges. Use in wind-break and timber lot.....	\$ 6.00	\$ 42.00	\$ 7.50	\$ 52.50	\$10.00	\$ 70.00	\$15.00	\$105.00
BALSAM FIR—Tall, uniform grower. Best Christmas tree. Plant a few every year for that purpose.....	6.00	42.00	7.50	52.50	10.00	70.00	15.00	105.00
CEDAR, RED—Useful for hedges and general screen planting.....	7.50	52.50	10.00	70.00	12.50	87.50	20.00	140.00
HEMLOCK.....	7.50	52.50	10.00	70.00	12.50	87.50	20.00	140.00
PINE, PONDEROSA—(The western Bull Pine) Long, coarse needles. Use in mixed plantings.....	6.00	42.00	7.50	52.50	10.00	70.00	15.00	105.00



WINDBREAK, BLACK HILLS SPRUCE



WINDBREAK, BLACK HILLS SPRUCE

PINE, SCOTCH—Compact grower and very valuable in all windbreak planting. Makes a splendid high hedge.....	6.00	42.00	7.50	52.50	10.00	70.00	15.00	105.00
PINE, WHITE—King of the timber pines. Should be mixed in every timber lot and windbreak.....	6.00	42.00	7.50	52.50	10.00	70.00	15.00	105.00
SPRUCE, BLACK HILLS—Now accepted as the best evergreen for all windbreak, hedge and timber lot planting in the North and on the prairies of the West.	6.00	42.00	7.50	52.50	10.00	70.00	15.00	105.00
SPRUCE, NORWAY—One of the most beautiful windbreak trees, wherever hardy	6.00	42.00	7.50	52.50	10.00	70.00	15.00	105.00
SPRUCE, WHITE—Taller than its cousin the Black Hills type; a beautiful tree everywhere.....	7.50	52.50	10.00	70.00	12.50	87.50	20.00	140.00
SPRUCE, COLORADO GREEN—Exactly the same as the Blue except that the foliage is a lustrous light green. One of the best evergreens on heavy soils.	7.50	52.50	10.00	70.00	12.50	87.50	20.00	140.00

Note:—All of the above evergreens are used in windbreak and woodlot planting. Black Hills Spruce is especially recommended for all exposed locations and light soils. It is the easiest to transplant of them all. The Pines are also adapted to light soils. The ideal windbreak should have a mixture of all the evergreens. Plant a few every year after your windbreak and timber lot is started.

THE STORY OF THE BLACK HILLS SPRUCE

About 25 years ago ranchers in eastern Dakota set out a few of the Spruce trees they had found growing in the Black Hills. As the country settled up these trees grew to maturity. The need of good windbreaks was great, then as now, and all sorts of evergreens were being tried out. As time went on other visitors in the "Hills" brought back these little Spruce trees, and in a few years nurserymen began to watch their performance. This tree was found by botanists to be a species of the American White Spruce which had, through hundreds of years of isolation on the edge of the Great Plains become used to the dry atmosphere and sweeping winds. That is why it stands transplanting and all the difficulties of prairie life so remarkably. The demand assumed large proportions very soon and nurserymen sent collectors into the Hills for the seed and seedling stocks. But the production is slow and only within the past two years has there been enough to supply.

Now at the Jewell Nursery the annual production is over 250,000 trees and growing each year.

SPECIMEN EVERGREENS

TREES FIVE TO TEN YEARS OLD, SEVERAL TIMES TRANSPLANTED, EACH TREE CAREFULLY SPADE DUG AND ROOTS SECURELY BALLED IN BURLAP WITH SPHAGNUM MOSS AND SHINGLE TOW

Prices, Transportation Paid — Insured to Grow

	21-18 inch Per Tree	18-24 inch Per Tree	2-3 ft. Per Tree	3-4 ft. Per Tree
ARBOR VITAE, AMERICAN—For variety in grouping. Stands any amount of shearing.....	\$2.00	\$3.00	\$ 4.00	\$ 5.00
ARBOR VITAE, PYRAMIDAL—The best all around pyramidal evergreen. A type needed in all lawn planting.....	3.50	5.00	7.00	10.00
ARBOR VITAE, SIBERIAN—Medium in height, with dark, close growing foliage.....	3.50	5.00	7.00	10.00
ARBOR VITAE, GOLDEN—Open type with bright orange-yellow foliage. Good contrast.....	3.50	5.00	7.00	10.00
ARBOR VITAE, SILVER TIPPED—Of medium growth, dark green foliage tipped with pure white; striking.....	3.50	5.00	7.00	10.00
ARBOR VITAE, GLOBE—Compact, low growing, much used in all group planting.....	3.50	5.00	.....	.....
CEDAR, RED—Distinct color which gives good contrast; shears well.....	2.00	3.00	4.00	5.00
FIR, BALSAM—Very upright grower with shiny foliage. Ideal Christmas tree.....	2.00	3.00	4.00	5.00
FIR, CONCOLOR.....	3.50	5.00	7.00	10.00
FIR, DOUGLAS.....	3.50	5.00	7.00	10.00
HEMLOCK—A very distinct type of evergreen with light green, fine needle foliage.....	2.00	3.00	4.00	5.00
JUNIPER SAVIN—Trailing evergreen with dark Juniper foliage. Valuable in all group planting.	3.50	5.00	.....	.....
PINE, DWARF—(Mugho Pine) In great demand; low spreading with all characteristic beauty of pine family.....	3.50	5.00	.....	.....
PINE, PONDEROSA.....	2.00	3.00	4.00	5.00
PINE, SCOTCH—One of the most dependable pines. Picturesque in every position and age.....	2.00	3.00	4.00	5.00
PINE, WHITE—King of American soft woods. Light green, delicate foliage.....	2.00	3.00	4.00	5.00
SPRUCE, BLACK HILLS—This great windbreak tree is also very handsome as a lawn evergreen...	3.50	5.00	7.00	10.00
SPRUCE, COLORADO, BLUE—Its bright, steel blue foliage and symmetrical form make this ever- green indispensable in every planting.....	5.00	10.00	15.00	20.00
SPRUCE, COLORADO GREEN—Same tree in every way as the Blue Spruce, except that foliage is light green; a valuable tree.....	3.50	5.00	7.00	10.00
SPRUCE, NORWAY—One of the most graceful of all evergreens, with dipping branches and dark rich foliage.....	2.00	3.00	4.00	5.00

SHADE AND ORNAMENTAL TREES

ALL TREES IN THIS CLASS ARE GROWN CAREFULLY TO PRODUCE STRAIGHT BODIES AND BALANCED BRANCHES. THEY ARE ALL TRANSPLANTED AND CONSEQUENTLY HAVE STRONG, FIBROUS ROOT DEVELOPMENT.

Prices, Transportation Paid — Insured to Grow

NOTE—The price per dozen is ten times the each rate.

The price per hundred is seventy times the each rate.

The rates per tree as given below apply on quantities up to six.

Above six use dozen rate. Above fifty use hundred rate.

	5-6 ft. per tree	6-8 ft. per tree	8-10 ft. per tree	10-12 ft. per tree	12-15 ft. per tree
ASH, AM. GREEN—Drouth resister. Great tree for exposed places and poor soil.....	\$1.00	\$1.50	\$2.00	\$4.00	\$ 6.50
BOX ELDER—(Ash leaf or Manitoba Maple) Hardy, fast grower in the North	1.00	1.50	2.00	4.00	6.50
BALM OF GILEAD—So called for the pungent, sticky buds. A Poplar.....	1.50	2.00	3.00	4.50	7.00
BIRCH—White or Paper. A valuable native tree for lawn planting.....	2.50	3.25	4.25	6.00	10.00
BIRCH—Weeping Cut Leaf. One of the most beautiful ornamental trees. (Grafted on wild Birch roots).....	5.00	7.50	.....	.....	.....
CATALPA—Hardy (Speciosa) Large, tropical foliage. Desirable lawn and street tree.....	2.50	3.25	4.25	6.00	10.00
CATALPA—Bungei. Globe headed species. Grafted on Speciosa stocks (semi hardy) 1 yr. hds.	4.00	.....	.....	.....	.....



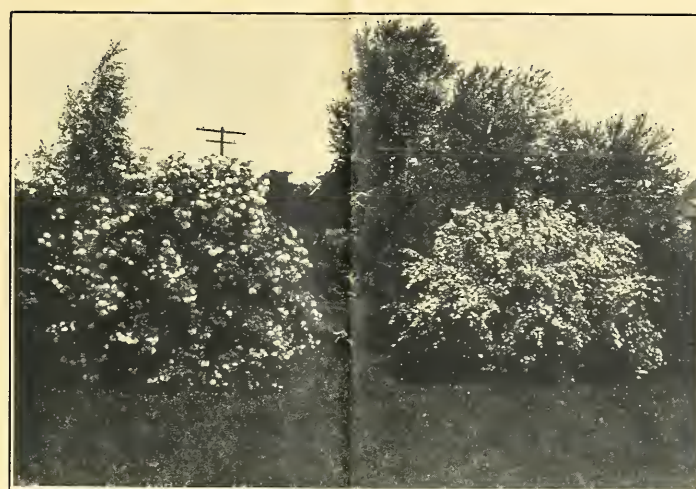
JEWELL STREET TREES



NIOBE WILLOW

SHADE AND ORNAMENTAL TREES — Continued

	5-6 ft. per tree	6-8 ft. per tree	8-10 ft. per tree	10-12 ft. per tree	12-15 ft. per tree
BUTTERNUT—A very handsome tree everywhere. Nuts in great demand.....	\$2.50	\$3.25	\$4.25	\$6.00	\$10.00
ELM—American. The most planted of all shade and street trees.....	1.50	2.00	3.00	4.50	7.00
BUCKEYE—(Horse Chestnut) A hardy type. Makes a small tree.....	5.00	7.50	....	....	....
HACKBERRY—(Northern type) Small, very uniform tree. Valuable for street work where shade is not the main condition.....	2.50	3.25	4.25	6.00	10.00
LINDEN, AMERICAN—(Basswood) Native tree with handsome form and foliage. The great honey tree.....	2.50	3.25	4.25	6.00	10.00
LINDEN, EUROPEAN—Hardy; with rich, brown bark. Leaves smaller than Basswood.....	2.50	3.25	4.25	6.00	10.00
LOCUST, BLACK—Well known hardy tree with graceful habit and delicate flowers and foliage.	2.50	3.25	4.25	6.00	10.00
MAPLE, SOFT OR SILVER—Widely planted native tree. Rapid grower of majestic form.....	1.00	1.50	2.00	4.00	6.50
MAPLE, HARD OR SUGAR—Its uniform head and brilliant autumn colors give it great popularity.....	1.50	2.00	3.00	4.50	7.00
MAPLE, NORWAY—Similar to Hard Maple but not so hardy in the North.....	2.50	3.25	4.25	6.00	10.00
MAPLE, GINNALA—A small tree with small, handsome foliage.....	2.50	3.25	....	....	....
MAPLE, SCHWEDLER'S—(Semi hardy) Foliage deep purple in early summer, turning to green.	5.00	7.50	....	....	....
MAPLE, CUT LEAF—(Weir's) A type of Soft Maple with drooping branches and deeply serrated leaves.....	2.50	3.25	4.25	6.00	10.00
MOUNTAIN ASH—(European) Handsome, compound foliage followed by clusters of brilliant colored fruit. Fast growing in demand.....	2.50	3.25	4.25	6.00	10.00
MOUNTAIN ASH—Weeping. A drooping form of the above, topgrafted on standard stocks...	1 yr. heads....	\$4.00	2 yr. heads.....	\$6.00	
MULBERRY—Russian (Semi hardy) Medium size with light foliage; valuable in mass planting.	2.50	3.25	4.25	6.00	10.00
MULBERRY—Tea's Weeping. Drooping form of the above. Grafted on standard stocks.....	1 yr. heads....	\$4.00	2 yr. heads.....	\$6.00	
OLIVE—Russian. Small tree with characteristic silvery Olive foliage. Gives contrast.....	2.50	3.25	4.25	6.00	10.00
POPLAR, NORWAY—Also known as Carolina and Russian Poplar, Cottonless Cottonwood. Rapid growing shade tree.....	1.50	2.00	3.00	4.50	7.00
COTTONWOOD—(Poplar family) One of the largest and hardiest native American Trees.....	1.50	2.00	3.00	4.50	7.00
POPLAR, DAKOTA—(Mule Tree) A native of the northern plains. Absolutely hardy.....	1.50	2.00	3.00	4.50	7.00
POPLAR, PETOFISKY—A rigorous Asiatic Poplar which seems to have a place here.....	1.50	2.00	3.00	4.50	7.00
POPLAR, LOMBARDY—Well known pyramidal tree. Much used for contrast in landscape work	2.50	3.25	4.25	6.00	10.00
POPLAR, BOLLEANA—A silver leafed pyramidal type. Very valuable in ornamental planting..	2.50	3.25	4.25	6.00	10.00
POPLAR—Silver Leaf. Medium sized tree with beautiful foliage. Extremely hardy everywhere.	2.50	3.25	4.25	6.00	10.00
WALNUT, Black—Well known American tree with more uses and values than any other.....	2.50	3.25	4.25	6.00	10.00
WILLOW, GOLDEN (Russian)—Vigorous, upright grower with golden bark.....	1.50	2.00	3.00	4.50	7.00
WILLOW, NIOBE—Drooping type of Golden Willow. Also from Russia. Very graceful.....	2.50	3.25	4.25	6.00	10.00
WILLOW, WISCONSIN WEEPING—Native drooping willow with green bark.....	2.50	3.25	4.25	6.00	10.00
WILLOW, LAUREL LEAF—Distinguished for its shining, laurel-like foliage.....	1.50	2.00	3.00	4.50	7.00
WILLOW, WHITE—One of the most handsome and hardy trees of the willow tribe.....	1.50	2.00	3.00	4.50	7.00



ORNAMENTAL SHRUBS, LEFT SNOWBALL, RIGHT SPIREA V. H.

HARDY FLOWERING SHRUBS

FOR LAWN PLANTING

For Hedge Stock see "Hedging"

THE STOCK QUOTED BELOW IS ALL TRANSPLANTED AND GROWN IN OPEN ROWS TO PRODUCE WELL BRANCHED, WELL ROOTED SPECIMENS. THE TALLER GROWERS ARE FURNISHED IN 3-4 FT., MEDIUM GROWERS AVERAGE 2 FT; AND THE LOW HABITED SHRUBS 12 INCHES

Prices, Transportation Paid — Insured to Grow

Variety	Characteristics	Height	Color of Bloom or Fruit	Each	Dozen
Althea	Bright colored flowers	Medium	Pink, Purple, White	\$1.50	\$15.00
Barberry, Thunberg's	Foliage colors in Fall. Valuable hedge shrub	Low	Red berries	1.50	15.00
Buckthorn	Foliage shrub for mass planting	Tall	Black fruit	1.00	10.00
Caragana	Delicate foliage. Mass planting	Tall	Yellow flowers	1.00	10.00
Crab, Flowering	Large double flowers	Medium	Pink flowers	3.50	35.00
Coral berry	Graceful; with dense fruit clusters	Low	Red berries	1.00	10.00
Cranberry bush	Showy berries in Fall and Winter	Tall	Red berries	1.00	10.00
Currant, flowering	Early bloom	Medium	Yellow flowers	1.00	10.00
Currant, Alpine	Dense foliage of deep green	Low	Yellow flowers	1.50	15.00
Deutzia Crenata	For border planting	Medium	Pink flowers	1.50	15.00
Deutzia Gracilis	Dense grower and late Spring bloomer	Low	White flowers	1.50	15.00
Deutzia Lemoine	Stout branches; Upright grower	Low	White flowers	1.50	15.00
Deutzia, Pride of Rochester	Double flowers; Early to bloom	Low	Pink in bud	1.50	15.00
Cotoneaster Acutifolia	Specially desirable for hedge and border planting	Low	Black berries	1.00	10.00
Euonymus	Known also as Burning Bush	Medium	Red pods	1.50	15.00
Dogwood, Red	Showy, red branches in winter	Medium	Red bark	1.00	10.00
Dogwood, Yellow	Short, yellow branches in winter	Medium	Yellow bark	1.00	10.00
Dogwood, Variegated	One of the choicest foliage shrubs	Low	Variegated leaves	2.00	20.00
Elder, Black	Luxuriant foliage; Fine for mass planting	Tall	White flowers; Black fruit	1.00	10.00
Elder, Golden	Brilliant foliage	Medium		1.50	15.00
Elder, Cut Leaf	Deeply cut foliage	Medium	Black fruit	1.50	15.00
Elder, Red	Mass of red fruit	Medium	Red fruit	1.50	15.00
Hazelnut	Foliage shrub for group planting	Medium		1.50	15.00
Honeysuckle, Tartarian	Mass of bloom followed by fruit	Tall	Pink flowers; Red berries	1.00	10.00
Honeysuckle, Morrow's	Spreading, graceful	Medium	Red fruit; Pink flowers	1.50	15.00
Hydrangea, Paniculata, Grandiflora	Masses of Autumn bloom	Medium	White and bronze	1.50	15.00
Hydrangea, Arborescens	"Hills of Snow" Perpetual summer bloom	Medium	White	1.50	15.00
Juneberry	Early summer bloom and fruit. Attracts birds	Medium	White	1.50	10.00

HARDY FLOWERING SHRUBS — Continued

Variety	Characteristics	Height	Color of Bloom or Fruit	Each	Dozen
Olive, Russian	Silvery foliage. High perfume	Tall	Yellow	1.00	10.00
Plum, Flowering	Double flowers in early Spring	Medium	Pink	2.00	20.00
Privet, Amoor	Borders, hedges and massed planting	Medium		1.00	10.00
Snowball	Old favorite; early summer bloom	Tall	White	1.00	10.00
Snowberry	Showy, white fruit in autumn	Low	White	1.00	10.00
Sumach, smooth	Spreading; brilliant autumn color	Medium	Red fruit	1.00	10.00
Sumach, Staghorn	Upright, picturesque; velvety branches	Tall	Red fruit	1.00	10.00
Sumach, Cut leaf	Deeply serrated foliage; autumn color	Medium	Red fruit	1.50	15.00
Sand Cherry	Graceful with wealth of showy fruit	Low	Black fruit	1.00	10.00
Mock Orange (Common)	Handsome shrub with highly perfumed flowers	Tall	Cream flowers	1.00	10.00
Mock Orange (Golden Syringa)	Bright golden foliage; for contrast in group	Low	White flowers	1.50	15.00
Weigela Rosea	Bright Summer bloom	Medium	Pink flowers	1.50	15.00
Weigela Eva Rathke	Bright Summer bloom	Medium	Red flowers	1.50	15.00
Lilac, Common Purple	Favorite early summer bloomer	Tall	Purple flowers	1.00	10.00
Lilac, Common White	Favorite early summer bloomer	Tall	White flowers	1.00	10.00
Lilac Persian	Very free bloomer	Medium	Purple flowers	1.00	10.00
Lilac, Japan Tree	Leathery foliage; very late bloom	Tall	White flowers	1.50	15.00
Lilac, Villosa	Large panicles; late bloom; fragrant	Tall	Pink flowers	1.50	15.00
Lilac, Josikea (Hungarian)	Dark, shining leaves; upright growth	Tall	Violet flowers	1.50	15.00
Lilac, Charles Tenth	Single, loose panicles	Medium	Red flowers	2.00	20.00
Lilac, George Bellairs	Double; upright	Medium	Red flowers	2.00	20.00
Lilac, Ludwig Spaeth	Single, long panicles	Medium	Purple flowers	2.00	20.00
Lilac, Pres. Grevy	Double; large panicles	Medium	Blue flowers	2.00	20.00
Lilac, Madam Chatenay	Double; large panicles	Medium	White flowers	2.00	20.00
Lilac, Princess Alexandria	Single; large flowers	Medium	White flowers	2.00	20.00
Spirea, Anthony Waterer	Beautiful foliage and dense flower clusters all summer	Low	Pink flowers	1.50	15.00
Spirea Arguta	Open habit; deep green foliage. May	Low	White flowers	1.50	15.00
Spirea Billardi	Flowers in dense panicles. July-Aug.	Medium	Pink flowers	1.00	10.00
Spirea Callosa	Compact with bluish-green foliage. All sum.	Low	Pink flowers	1.50	15.00
Spirea Golden	(Golden Ninebark) Yellow foliage. Contrasty	Medium	White flowers	1.00	10.00
Spirea Sorbifolia	(Ash Leaved Spirea) Foliage like Mt. Ash; beautiful	Medium	White flowers	1.00	10.00
Spirea Salicifolia	(Willow leaved Spirea) Narrow willow-like leaves	Medium	Pink flowers	1.00	10.00
Spirea Van Houttei	Known in North also as Bridal Wreath. June	Medium	White flowers	1.00	10.00
Spirea Thunberg's	Compact grower with fine graceful foliage. May	Low	White flowers	1.50	15.00

HEDGING

OUR LIST IS LIMITED TO THE HARDEST TYPES SUITABLE FOR NORTHERN PLANTERS. ALL STRONG AND EVENLY GRADED. IF YOU WANT MORE DETAILED INFORMATION REGARDING THE SELECTION OF HEDGE STOCK AND THE PLANTING AND CARE OF HEDGES SEND FOR J.N.S. BULLETIN NO. H-23.

Prices, Transportation Paid — Insured to Grow

	8-12 inch per 100	12-18 inch per 100	18-24 inch per 100	2-3 ft. per 100	3-4 ft. per 100
BUCKTHORN—Strong growing, dark green foliage and stiff, thorny twigs	\$10.00	\$12.50	\$17.50	\$25.00	\$35.00
CARAGANA—Locust-like foliage; very hardy in exposed locations	8.00	10.00	12.50	15.00	20.00
OLIVE, Russian—Silvery foliage and a fine vigorous shrub	10.00	12.50	17.50	25.00	35.00
PRIVET—Amoor River (North) The only privet suited to northern culture		25.00	40.00	60.00	.....
HONEYSUCKLE, Tartarian—A good hedge shrub for high screens	15.00	25.00	40.00	60.00	.....
SPIREA, VAN HOUTTEI—Valuable for its delicate foliage and white bloom	15.00	25.00	40.00	60.00	.....
BARBERRY, Thunberg's Japanese—Very largely planted for its bright foliage, berries and dog-proof spines. 3 yr. transplanted stock, bushy for immediate effect	35.00	50.00	70.00	.....	.....
Light plants from nursery beds	12.50	17.50	.....	.....	.....
COTONEASTER Acutifolia—One of the best for low hedges		12.50	.....	.....	.....



BUCKTHORN HEDGE



(VINE) ENGELMAN'S IVY

HARDY ORNAMENTAL VINES

ALL STRONG 2-YEAR VINES

Prices, Transportation Paid — Insured to Grow

	Each	Dozen
AMERICAN IVY—(Woodbine) The well known climber with luxuriant foliage, turning to brilliant autumn colors. Showy, black berries.....	\$1.50	\$15.00
ENGLEMAN'S IVY—A type of American Ivy with tendrills enabling it to cling to stone, brick and stucco.....	1.50	15.00
BOSTON IVY—Popular clinging vine. Semi hardy in extreme North. Delicate beautiful foliage.....	1.50	15.00
BITTERSWEET—Vigorous native vine; grows to great height. Showy, orange colored fruit.....	1.50	15.00
CLEMATIS, AM. WHITE—Native climber of graceful habit with feathery white flowers.....	1.50	15.00
CLEMATIS PANICULATA—A Japanese Clematis with luxuriant foliage, covered with a mass of highly fragrant white flowers.....	1.50	15.00
CLEMATIS JACKMANNI—Large flowered type with purple blossoms.....	2.00	20.00
CLEMATIS HENRYI—Large flowered type with white flowers.....	2.00	20.00
CLEMATIS MADAM ANDRE—Large flowered type with maroon flowers.....	2.00	20.00
DUTCHMAN'S PIPE—High grower with large tropical leaves and curious pipe shaped flowers. Valuable for shady locations..	2.00	20.00
HONEYSUCKLE (Trumpet)—Medium climber. Green foliage; red trumpet shaped flowers.....	1.50	15.00
MATRIMONY VINE—Trailing vine with bright red fruit.....	1.50	15.00

ROSES

Jewell roses are all strong, two year, field grown plants. The prices, therefore, should not be compared with other catalog prices for small rooted slips from pots. Out of the hundreds of varieties we offer a selection of the very best.

Prices, Transportation Paid — Insured to Grow

Group A — Hybrid Rugosa Roses

These double roses are the hardiest varieties for northern planting. They require no winter covering. Bloom all summer, and in all the shades of red, pink and white. The typical rugosa foliage and yellow-red fruits add to their attractiveness. Very valuable for lawn ornament.

\$2.00 each \$20.00 per dozen

Amelia Greverau	Red; prolific bloomer.
Conrad F. Meyer	Pink, large, fragrant.
Hansa	Deep pink; very double
Mme. Geo. Bruant	White; pointed in bud clusters.
Nova Zembla	White; very large blossoms
New Century	Pink; a graceful bush.
Rosarie de L'Hay	Pink; free bloomer; fragrant.
Sir Thomas Lipton	White; very double; fragrant.



ROSES

Group B — Hybrid Perpetual Roses

PRICES, TRANSPORTATION PAID — INSURED TO GROW

These are the roses to grow for cut flowers. Also valuable for lawn ornament. Require winter protection.

\$1.50 each \$15.00 per dozen

Anne de Diesbach	Carmine; vigorous plant.
Baron de Bonstettin	Dark red; an old favorite.
Captain Hayward	Crimson; free bloomer; very fragrant.
Clio	Light pink; large; globular form.
Coquette des Alps	White; large; profuse bloomer.
Fisher Holmes	Scarlet shaded crimson; brilliant.
Francois Levet	Bright pink; strong grower; profuse bloomer.
Frau Karl Druschki	Largest white; very pure; beautiful.
General Jacqueminot	Dark red; one of the best known red roses.
Hugh Dixon	Dark red; finely formed; fragrant flowers.
John Hopper	Pink; strong grower; very desirable.
Magna Charta	Pink; profuse bloomer; long stems.
Margaret Dixon	White; shell shaped petals; tinted at center.
Mrs. John Laing	Pink; large flowers; strong stems; fragrant.
Paul Neyron	Deep Pink; profuse; one of the best.
Prince Camille de Rohan	Dark red; large, very handsome.
Ulrich Brunner	Cherry red; vigorous grower and bloomer.



PERENNIAL PLANTS, PYRETHRUM ULIGINOSUM

Group C — Climbing Roses

PRICES, TRANSPORTATION PAID — INSURED TO GROW

THESE ARE THE BEST FOR ALL NORTHERN PLANTING.

\$1.25 each \$12.50 per dozen

Crimson Rambler	Panicles of red flowers.
Dorothy Perkins	Panicles of pink flowers.
White Rambler	Panicles of white flowers.
Excelsa	Panicles of red flowers (best red rambler type).
Yellow Rambler	Panicles of yellow flowers.
Prairie Queen	Double, bright pink; large flowers.
Baltimore Belle	White; double; old favorite.

Group D — Miscellaneous Roses

	Each	Dozen
Baby Rambler, dwarf bush, red rambler blossoms.	\$2.00	\$20.00
Gruss an Teplitz, dark red; double; best cut flower rose	2.00	20.00
Memorial, Trailing rose; white; single	1.50	15.00
Harrison's Yellow, Hardy bush; intense yellow, single flowers	2.00	20.00
Persian Yellow, semi hardy; bush; single; yellow	2.00	20.00
Moss rose, comes in both pink and white	1.50	15.00
Rugosa, Japanese, single; mixed pink and white	1.25	12.50

HARDY FLOWERING AND FOLIAGE PLANTS

Indispensable in all home planting, for beds, borders, groups, shrubbery edgings and for vase flowers. Of the hundreds of varieties we grow and list those which have by many years test been found the most reliable for northern culture. These are all PERENNIAL PLANTS, that is the roots live in the ground through winter, only the tops freezing down. A light mulch after the ground is frozen is desirable, but the plants are perfectly hardy. THE PLANTS WE SHIP ARE ALL STRONG, FIELD GROWN ROOTS AND CLUMPS, not the little slips grown under glass and offered at cheap prices.

Prices, Transportation Paid — Insured to Grow

	Each	Dozen
ACHILLEA (Pearl)—18 inches; white; stiff stems: July-Sept.	\$.50	\$ 5.00
ARTEMESIA—12 inches; silvery, finely cut foliage. Sept.	.50	5.00
ASTER, NEW ENGLAND—4-5 ft. Deep purple. Sept.-Oct.	.75	7.50
ASTER, LADY TREVELLYN—3 ft. White. Sept.-Oct.	.75	7.50
BLEEDING HEART (Dicentra)—2 ft. Heart shaped flowers; red and white. June	.75	7.50
BOLTONIA ASTEROIDES—3 ft. White, starry flowers. Sept.	.50	5.00
BOLTONIA LATISQUAMA—4 ft. Pink, tinged lavender. Sept.-Oct.	.50	5.00

	Each	Dozen
BUTTERCUP—2 ft. Glossy, golden yellow. May-June.....	\$.50	\$5.00
COLUMBINE (Aquilegia)—Golden spurred. 2 ft. Yellow. July-Aug.....	.50	5.00
COLUMBINE (Aquilegia)—Rocky Mountain. 1 ft. Blue. July-Aug.....	.50	5.00
CAMPANULA (Harebell)—12 inches. Deep blue. June-Sept.....	.75	7.50
COREOPSIS—3 ft. Deep Yellow. June-Oct.....	.75	7.50
DAY LILY (Flava)—2 ft. Bright yellow. June-July.....	.50	5.00
DAY LILY (Kwanso)—2 ft. Orange. July-Aug.....	.50	5.00
DIANTHUS—Sweet William. 12-18 inches. Colors in assortments. May-July.....	.75	7.50
DIANTHUS—Hardy Pinks. 8-12 inches. Light red. Carnation fragrance. Blooms all season.....	.75	7.50
FOX GLOVE (Digitalis)—2 ft. Mixed colors. July.....	.75	7.50
FORGET-ME-NOT—6 inches. Good for moist soils. Blue. June-July.....	.50	5.00
FUNKIA—18 inches. (Plantain Lily) Handsome foliage. White and Blue flowers. Aug.....	.50	5.00
GAILLARDIA (Blanket Flower)—1 ft. Orange-yellow. June-Sept.....	.50	5.00
GOLDEN GLOW—6 ft. Double, brilliant yellow flowers. July-Sept.....	.50	5.00
GYPSOPHILA (Baby's Breath)—3 ft. Delicate White flowers. Aug.-Sept.....	.50	5.00
HELIOPSIS (Orange Sunflower)—3 ft. Blooms from early summer until late fall.....	.50	5.00
HIBISCUS (Crimson Eye)—4 ft. White with crimson center. Aug.....	.75	7.50
HOLLYHOCK (Biennial)—4 to 6 ft. Assorted colors. July-Aug.....	.50	5.00
IRIS—18 inches. Indispensable spring bloomers. Many colors.....	.50	5.00

NOTE:—Iris are supplied either in assorted colors or in the following separate colors: Purple, Yellow, Mahogany, White.

LILY OF THE VALLEY—8 inch. Fine in shady places. June.....	.50	5.00
MONARDA (Bergamot)—2 ft. Bright scarlet. July-Aug.....	.75	7.50
PYRETHRUM ROSEUM (Feverfew)—1 ft. Variable pink, white, red. June.....	.50	5.00
PYRETHRUM ULIGINOSUM (Ox eye Daisy)—4 ft. White. Aug.-Oct.....	.50	5.00
PEONY—2 ft. Shades of Red, Pink and White, Choice assortment.....	1.00	10.00

NOTE:—We have a fine collection of the best varieties. Planters making a specialty of Peony gardening should write for our special Peony Bulletin No. J.N.S. 24.

POPPY, ORIENTAL—15 inches. Flaming red. Aug.....	.75	7.50
PHLOX—1 to 2 ft. Wonderful variety of coloring. Blooming period from midsummer to late autumn. Red, White, Pink, Salmon, Purple, Choice selection.....	.50	5.00

NOTE:—If interested in extensive Phlox planting, send for Bulletin No. J.N.S. 25. which gives a complete list of the best varieties.

PHLOX—Subulata. 4 inches. Creeping; for carpet planting. Pink and White.....	.50	5.00
PLATYCODON—18 inches. Deep blue star-like flowers. June-Sept.....	.75	7.50
VINCA MINOR (Hardy Myrtle)—6 inches. For carpet planting. Blue.....	.75	7.50
YUCCA (Spanish Bayonet)—2-3 ft. Immense heads of white flowers. June-July.....	.75	7.50

PERENNIAL PLANTS ESPECIALLY SUITED TO SHADY LOCATIONS

Aquilegia	Campanula	Lilium Elegans
Day Lily	Phlox	Tiger Lily
Bleeding Heart	Boltonia	Larkspur
Digitalis	Peonies	Funkia
Achillea	Lily of the Valley	Iris
Platycodon		

PERENNIALS FOR CUT FLOWERS

Achillea	Hardy Pinks	Phlox
Aquilegia	Gaillardia	Poppy
Coreopsis	Gypsophila	Pyrethrum
Delphinium	Iris	Heliopsis
Sweet William	Peony	

DISTANCE TO PLANT

FRUIT TREES

While authorities differ somewhat as to the proper distances for commercial orchard planting, the following are those usually employed:

Apple.....	25 to 30 feet apart
Plum.....	20 to 25 feet apart
Cherry-plum.....	16 to 20 feet apart

GARDEN FRUITS

Following are the usual distances followed in the North.

	Rows apart	Plants apart
Grapes.....	8 feet	8 feet
Raspberries.....	6 feet	3 feet
Blackberries.....	6 feet	4 feet
Strawberries.....	4 feet	1 feet
Currants.....	6 feet	4 feet
Gooseberry.....	6 feet	3 feet
Rhubarb.....	6 feet	3 feet
Asparagus.....	2½ feet	1 feet

HEDGES AND WINDBREAKS

In planting trees for wind protection it is best to set two rows, having the trees alternate in the row, so that each tree will be opposite an open space in the next row.

	Distance in feet for thick or solid hedge rows	Distance in feet for open planting on lines and ave.
Arbor Vitae, American.....	2 to 4	8 to 26
Ash, American.....	2 to 8	20 to 35
Barberry, Japanese.....	1 to 2	
Buckthorn.....	1 to 2½	
Caragana.....	1 to 2½	
Russian Olive.....	1 to 2½	
Cottonwood.....	2 to 6	25 to 35
Elm, American.....	2 to 6	25 to 35
Locust.....	2 to 6	15 to 20
Maple, Soft or Silver.....	2 to 8	25 to 35
Mulberry, Russian.....	2 to 6	20 to 30
Pine.....	3 to 8	25 to 35
Poplar.....	6 to 12	20 to 30
Red Cedar.....	2 to 3	15 to 20
Spruce.....	3 to 8	10 to 20
Willow.....	1 to 2	20 to 30
Walnut.....		25 to 40

"Transportation Paid Insured to Grow"

For fifty-six years Jewell Nursery Service has supplied its products to tree planters "TRANSPORTATION PAID AND INSURED TO GROW."

When you buy Jewell trees, shrubs and plants, you are assured:

1. The cost is net with freight and express charges fully paid.
2. If any tree, shrub or plant fails to "show life" it is promptly reshipped without cost.
3. If any tree, shrub or plant grows the first summer, but fails to live through the following winter, it is promptly reshipped at one half the purchase price.
4. If any tree, shrub or plant proves untrue to label the purchase price is promptly refunded, or the article reshipped at your option.
5. You are the judge and your word is sufficient evidence.
6. Only the strongest, select stock in all varieties is furnished. It is only by distributing well matured stock that it is possible to sell it thus Insured-to-Grow.

"I Can Buy for Lower Prices"

Occasionally a customer writes us this.

Prices for nursery stock, unless accompanied by a declaration of:—

(a) the size and age. (b) the service included—

may be very misleading. It is indeed possible to buy an apple tree, or grape vine, or rose bush at prices less than we quote for insured stock. In the one case light, immature stock is supplied, in the other strong and well matured. In the one the purchaser pays his transportation and takes his own chances; in the other the transportation (much greater in this case because of added size) is paid by the nursery; and because of its age and quality the nursery assumes to insure it against all fatality.

Ground Planning Department

The great and growing interest in home-ground planting has made necessary the maintenance at our nursery of a department through which we give our friends and customers service in this direction. This includes the services of our landscape architect, who will without cost or obligation give advice about the selection of varieties, with suggestions as to ground planning, planting, etc. This service is also extended to PARK, and all other PUBLIC PLANTING. For details and all information relative to this service address,

THE JEWELL NURSERY COMPANY
Planning Department
Lake City, Minnesota